

CLAIMS

1. A ferrule for an optical fiber connector, comprising: an inner hole through which an optical fiber is inserted; and a tip end face that is polished under a condition that the optical fiber is inserted in the inner hole to be fixed with an adhesive,

characterized in that the tip end face has a central side region including an opening of the inner hole and an outer circumferential side region on an outer circumferential side from the central side region, and wettability with respect to the adhesive is smaller in the outer circumferential side region than in the central side region.

2. The ferrule for an optical fiber connector according to claim 1, characterized in that the outer circumferential side region comprises a chamfered portion provided on the tip end face.

3. The ferrule for an optical fiber connector according to claim 1, characterized in that the outer circumferential side region has a contact angle with respect to the adhesive of 30° or more.

4. The ferrule for an optical fiber connector according to claim 1, characterized in that the outer circumferential side region is subjected to surface treatment by adhesion or chemical bonding of an organic compound to a surface of the outer circumferential

side region.

5. The ferrule for an optical fiber connector according to claim 4, characterized in that the organic compound is at least one compound selected from the group consisting of a silane-based compound, a siloxane-based compound, a silazane-based compound, a titanate-based compound, and an aluminate-based compound.

6. The ferrule for an optical fiber connector according to claim 1, characterized in that the outer circumferential side region is subjected to surface treatment to have a surface roughness larger than that of the central side region.

7. The ferrule for an optical fiber connector according to claim 1, characterized in that the ferrule is made of crystallized glass or glass.

8. The ferrule for an optical fiber connector according to claim 7, characterized in that the crystallized glass or glass contains Si, Al, or Ti in an amount of 10% by mass or more in terms of an oxide.

9. A method of producing a ferrule for an optical fiber connector in which an optical fiber is inserted in an inner hole of the ferrule

and fixed with an adhesive, and a tip end face of the ferrule is polished with the optical fiber,

the method being characterized by comprising: dividing the tip end face into a central side region including an opening of the inner hole and an outer circumferential side region on an outer circumferential side from the central side region; and subjecting the outer circumferential side region to surface treatment to have wettability with respect to the adhesive smaller than that of the central side region.